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#### NIGHTINGALE

We believe this variety is most outstanding not only because of its unusual greenish color but also because of its keeping quality as cut flowers. When this variety was exhibited at the Southern California Horticultural Show in Pasadena last fall, we received so many inquiries that we feel fortunate to have arranged with a local originator, after persistent persuasions, thus enabling us to disseminate this proven variety. We believe his action to market this variety is definitely a marked contribution to our chrysanthemum field. Blooms around October 25th on. Height 4 to 4½ feet. Price \$2.00 each.

# CHRYSANTHEMUMS for 1939

## SUNNY SLOPE 'MUMS GARDENS

3018 Huntington Drive . . . At San Gabriel Boulevard . . . SAN GABRIEL, CALIF.  
Telephone ATLantic 2-1364

PLANTS: April to July

SHOW: October and November



### MAMORU

Dark orange with increasing bronze toward center. Excellent for commercial cut flowers, having strong stem and abundant foliage. The flower is of good keeping quality. Height medium, maturing Oct. 30th on. Price 50c each, \$5.00 per dozen.



## Two Beauties you'll want in your Garden



### BUNBU

Dark orchid-lavender. Proven excellent for cut flowers after several years of growing. Ideal stems and foliage. Height 5 feet. Matures Nov. 1st on. Price 35c each, \$3.50 per dozen.



## TO OUR PATRONS

We wish to express our profound gratitude to every one of our friends and patrons for your loyal support, making our Annual Chrysanthemum Shows always eclipsing that of the previous year. Within a relatively short number of years we have expanded and now we consider ourselves the largest propagators in the West, which, we believe, is the result of your loyal support, and are forever grateful.

Our collections of Spidery-feathery types are left unchallenged, and just last fall we sent one of our representatives to the Orient, making extensive selections of their newest introductions while in bloom.

We believe the cultural suggestions for Cascades and other chrysanthemums appearing elsewhere in this book will be of some assistance to you.

Our cuttings of chrysanthemums are taken from the strong and healthy FIELD GROWN PLANTS.

Respectfully yours,

**SUNNYSLOPE MUMS GARDENS.**

## TERMS OF SALE

(Read carefully before ordering)

**PRICES:** All prices quoted are F. O. B. San Gabriel, California, plus 3% sales tax within the State.

**PAYMENTS:** Cash must accompany all orders to parties without established credit. Remittance may be made by check, certified check, postal or express money order. Do not send currency unless by registered mail.

**SHIPMENTS:** All shipments below \$5.00 in value will be made by parcel post unless instructed by the purchasers. All orders above \$5.00 will be shipped by railway express.

**CARRIAGE AND PACKING CHARGES:** There is no packing charge, but carriage charges will be paid by the purchasers at all times. Orders by parcel post should include postage at the rate of 10c for the first dozen cuttings, 4c for each additional dozen.

**NOTICE** will be mailed to you upon receipt of your order if we are unable to ship immediately. Invoices will be mailed immediately when your order is shipped.

**ALL ORDERS** are filled in strict rotation, consequently we believe early ordering to be of mutual benefit.

**CLAIMS:** No complaints entertained unless made in writing immediately upon receipt of goods. All shipments at purchasers risk.

**NON-WARRANTY:** While we endeavor to use every possible care to have all varieties properly labeled and true to name, but like all dealers in similar trade we give no warranty, express or implied, as to the crop, its variety or product.



# Feather, Spidery, and Threadlike Varieties

In these varieties the florets are either fluted, quilled or tubulated. The petals are of various lengths, with either spreading or long drooping florets and hooked up or spoon-like at the extreme tips.

The diameters indicated in the following descriptions are those of extreme measurements with two to three flowers per plant.

Best results are obtained by retaining the terminal bud for these varieties, as they produce longer petals. The dates given in regard to maturity are those of average growing conditions when planted from cuttings in May or June in our immediate vicinity.

## NEW INTRODUCTIONS FOR 1939

### Novelty Imported Varieties

**SEIJIN—Spidery type. Price \$2.00 each.** Pale lavender white — large tubular petals with hooked end tips similar to our Ohkwan. We believe this variety to be the most outstanding of the recent introductions in this type. Matures October 25th on. Height 4 feet.

**GYOKUREN—Spidery type. Price \$2.00 each.** Pale pink—fine tubular petals. Very large and extremely full. Matures November 1st on. Height 4 feet.

**MOON IN THE SKY (Hekku-No-Tsuki)—Spidery type. Price \$1.50 each.** Pale lavender gradually fading towards the center. Very appropriate name to describe this variety. Medium tubular petals with hooked end tips. Matures November 15th on. Height 4 feet.

**FUYO—Exhibition type. Price \$2.00 each.** Pale pink like our pink Turner in color and in size. Very large, loosely incurved. Matures November 1st on. Height 4½ feet.

**JOYFUL (ZENMAN)—Exhibition type. Price \$2.00 each.** Purplish lavender. Perfectly incurved exhibition 'mum. Matures November 5th on. Height 5 feet.

## Our Introductions

**SUNNYSLOPE GOLD (36-122)—Commercial large flowering type. Price 50c each.** A very promising perfectly incurved commercial cut flower variety, having excellent foliage with strong stems. We believe this variety an outstanding early golden incurve as Golden Arbin is an outstanding early reflexive variety. Matures October 15th on. Height 4½ to 5 feet.

**FAITHFUL (36-114)—Novelty single. Price 25c each, \$2.50 dozen.** This novelty pink single variety has nice foliage and strong stems, having very lasting keeping qualities. The blooms measure 5 to 6 inches in diameter when disbudded. We believe this has great commercial possibilities. Matures October 20th on. Height 4 feet.

**COUNTRY MAIDEN—Exhibition type. Price \$1.00.** A very compact incurve flower of good bronze shade, having very wide petals forming a perfect ball. Matures around October 25th on. Height 4 feet.



### ICHIMONJI TYPES

(Broad petalled single types.) These varieties have very large, broad petals having the appearance of a large single dahlia bloom. Common with smaller singles, the colors are very vivid and bright for these varieties. We are offering the following colors: Bronze, white, yellow and lavender at \$1.00 each.

### Collection Offer No. 1

#### NOVELTIES

KEGON-NO-TAKI    WHITE SENSATION  
KENNY BOY        PINKIE  
OHGON-NO-SATO

Catalog Price . . . . \$3.35

Collection Offer . . . . \$2.50



# STANDARD SPIDER VARIETIES

Rate: 10c each, \$1.00 per dozen; 15c each, \$1.50 per dozen; 50c each are \$5.00 per dozen; \$1.00 each are \$10.00 per dozen.

## White

Name and Description	Height	Matures	Price Ea.
xp ALICE TASHIMA. Large tube. Dia. 14 in.....	Med.	Oct. 1 on.....	\$ .50
x ANTOINETTE BUSH. Large tube. Dia. 15 in.....	Tall	Oct. 20 ".....	.75
p ARCTIC. Large tube. Dia. 12 in.....	Med.	Oct. 20 ".....	.50
p CREAM WHITE. Large tube. Dia. 12 in.....	Med.	Oct. 20 ".....	.50
DAIKOKU. Long narrow tube.....	Med.	Nov. 1 ".....	.10
xp DAINTY WHITE. Very compact fine tube.....	Med.	Oct. 25 ".....	.50
x GLISTENING WHITE. Large tube. Dia. 12 in.....	Tall	Nov. 10 ".....	.50
xp KAY TASHIMA. Large tube. Dia. 15 in.....	Med.	Oct. 1 ".....	.50
x MARIA. Greenish cream. Large tube. Dia. 12 in.....	Tall	Oct. 25 ".....	.50
xp MARIE TASHIMA. Large tube. Dia. 12 in.....	Med.	Oct. 5 ".....	.50
ORIENTAL. Cream. Med. tube. Dia. 12 in.....	Tall	Oct. 10 ".....	.50
PRIDE OF TOKIO. Med. tube. Dia. 12 in.....	Tall	Nov. 20 ".....	.15
RAYONANTE WHITE. Med. tube.....	Tall	Oct. 15 ".....	.10
p SILVER DROPS. Fine tube. Dia. 14 in.....	Short	Nov. 10 ".....	.75
p SHIRAYUKI. Fine tube with hooked tips.....	Med.	Nov. 1 ".....	.50
p SPIRIT OF YOUTH. Fine tube. Dia. 12 in.....	Med.	Nov. 25 ".....	.50
SWAN. Large tube. Dia. 12 in.....	Short	Oct. 25 ".....	.75
WHITE FRILL. Large tube. Dia. 10 in.....	Med.	Oct. 25 ".....	.50
x WHITE SENSATION. Large tube. Dia. 12 in.....	Med.	Oct. 25 ".....	.50

## Pink-Lavender

x BRIDESMAID. Large tube. Dia. 12 in.....	Med.	Oct. 25 on.....	\$0.50
CHARLOTTE. Large tube. Dia. 10 in.....	Med.	Oct. 8 ".....	.50
MAUVE. Mauve pink. Large tube. Dia. 10 in.....	Tall	Oct. 20 ".....	.50
MISS GINA HARWOOD. Rose mauve. Sport of Rayonante.....	Tall	Oct. 15 ".....	.15
PEGGY ANN HOOVER. Fine tube.....	Med.	Oct. 25 ".....	.10
x PINK FANSTASY. Large tube. Dia. 10 in.....	Med.	Oct. 25 ".....	.50
xp PINKIE. Large tube. Dia. 10 in.....	Med.	Oct. 15 ".....	.50
p PRIDE OF SUNNYSLOPE. Deep lavender of medium tubular petals. Dia. 15 in.....	Tall	Nov. 1 ".....	1.00
PURPLE SPIDER. Large tubular petals.....	Med.	Nov. 1 ".....	.10
RAYON. Fine tubular petals. Dia. 12 in.....	Tall	Nov. 10 ".....	1.00
RAYONANTE. Rose pink. Long cordlike petals.....	Med.	Oct. 15 ".....	.10
ROCKET. Lavender. Fine tube with Dia. 10 in.....	Short	Oct. 15 ".....	.50
x SUNNY'S BEAUTY. Fine tube Rayonante type.....	Tall	Oct. 25 ".....	.50
x SOUVENIR. Light salmon pink. Large tube.....	Tall	Oct. 25 ".....	.50
UNIQUE. Rich wine red. Long straight tube.....	Med.	Nov. 20 ".....	.15
p VELVET. Fine cordlike tubeular petals.....	Med.	Nov. 10 ".....	.75
p WINNIE ANN. Lavender. Medium tube.....	Med.	Oct. 20 ".....	.75

## Yellow

Name and Description	Height	Matures	Price Ea.
GOLDEN PLUME. Fine tube. Dia. 10 in.....	Med.	Oct. 25 on.....	\$0.50
p MRS. MARGARET DONOHUE. Fine tube. Dia. 12 in.....	Short	Oct. 25 ".....	.50
xp OHKWAN. Yellow. Fine tubular petals.....	Med.	Nov. 1 ".....	.15
x WM. McCABE. Large tubular petals.....	Tall	Nov. 1 ".....	.50

## Bronze

p BRONZE CHEER. Fine tube. Dia. 8 in.....	Short	Nov. 1 on.....	\$0.50
p BRONZE CHIEF. Fine tubular petals. Dia. 8 in.....	Short	Oct. 25 ".....	.50
EILEEN. Large tubular petals.....	Med.	Oct. 5 ".....	.50
p HERCULES. Fine tube. Green center.....	Med.	Oct. 25 ".....	.50
x MAMORU. See illustration.....	Med.	Oct. 30 ".....	.50

x—Good for Cut Flowers. p—Good for Pot Culture.



## IMPORTED VARIETIES

<b>AZUMA.</b> Yellow. Fine tube. Dia. 14 in.....	Med.	Nov. 1 on.....	\$0.50
<b>x BUNBU.</b> Lavender. Large tube. Dia. 12 in.....	Med.	Nov. 1 ".....	.35
<b>DAISEN.</b> Golden bronze. Partial incurve. Dia. 6 in.....	Med.	Oct. 20 ".....	.50
<b>IZAYOI.</b> White. Fine tubular type. Dia. 14 in.....	Tall	Nov. 1 ".....	.50
<b>KEGON NO TAKI.</b> Very distinct yellow, having few layers of reflexive lower petals with balance of incurved but twisted petals. See illustration.....	Tall	Nov. 1 ".....	1.00
<b>OKITSU.</b> Bronze. Fine tube. Green center.....	Short	Oct. 25 ".....	.50

## ODD VARIETIES

Rate: 10c each, \$1.00 per dozen; 15c each, \$1.50 per dozen; \$1.00 each, \$10.00 per dozen.

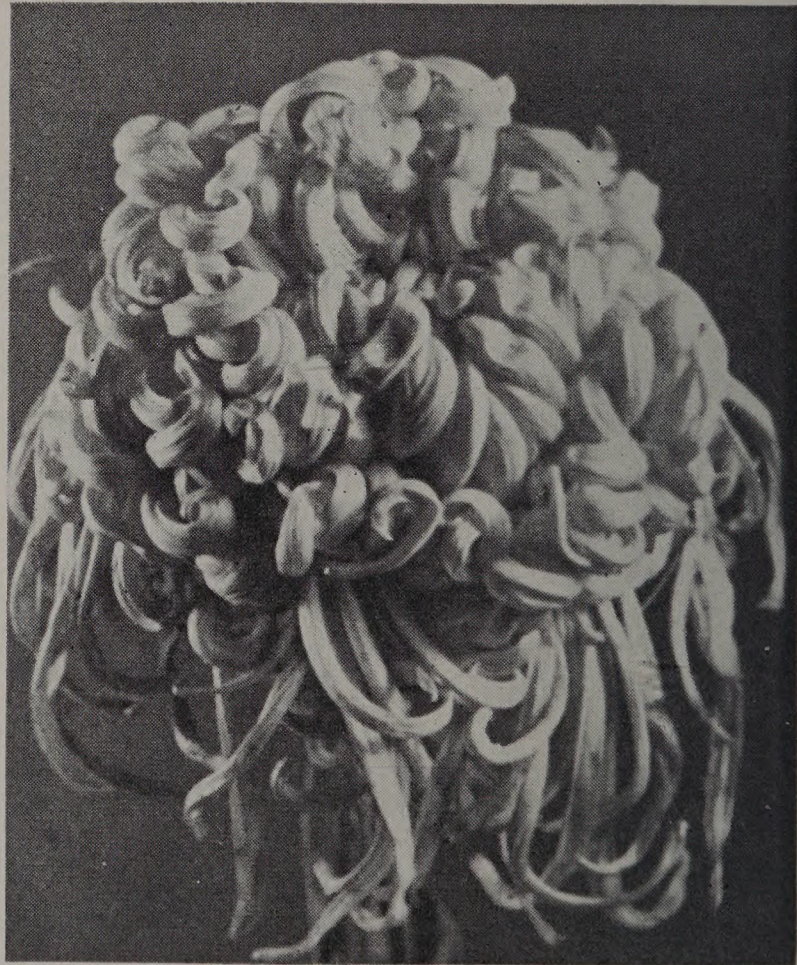
<b>CURLY LOCKS.</b> White. Large singular type with yellow center .....	Med.	Nov. 10 on.....	\$0.10
<b>J. C. TAGGART.</b> Orange bronze. Quilled petals covered with hairs .....	Med.	Nov. 1 ".....	.10
<b>KENNY BOY.</b> Yellow incurve with green center.....	Med.	Oct. 25 ".....	1.00
<b>JIU JITSU.</b> White feathery type.....	Med.	Nov. 15 ".....	.10
<b>LAVENDER FEATHER.</b> Dark lavender.....	Med.	Nov. 1 ".....	.10
<b>LOUISE BOEHMER.</b> Like a pink ostrich plume.....	Med.	Nov. 1 ".....	.10
<b>MIGNONETTE.</b> Like yellow thistle bloom.....	Med.	Nov. 1 ".....	.15
<b>P. E. BERRY.</b> Quilled pink petals covered with hairs. Very good disbudded .....	Med.	Oct. 15 ".....	.50
<b>PURPLE FROST.</b> Purple broad feathery petals with silver tips.....	Med.	Nov. 15 ".....	.15
<b>ROBERT BACON.</b> Bronzy red tubular petals with golden spoon-end tips .....	Med.	Nov. 20 ".....	.15
<b>THE DEAN.</b> White feathery type.....	Med.	Nov. 1 ".....	.15
<b>YELLOW TAGGART.</b> Yellow quilled petals covered with hairs.....	Med.	Nov. 1 ".....	.10
<b>YOMEI.</b> Golden tubular petals with red spoon-end tips. Exact reverse of Robert Bacon.....	Med.	Nov. 15 ".....	.15
<b>YOKI (Seedling No. 155).</b> Snow white, tubular petals with spoon-end tips. Identical in shape to our Yomei and Robert Bacon .....	Med.	Oct. 25 ".....	.15

x—Good for Cut Flowers. p—Good for Pot Culture.



**KENNY BOY**

Yellow incurve with dark green center. The blooms are of lasting quality. Attracted large attention during our show. Matures October 25.  
\$1.00 each.



**KEGON NO TAKI**

A bright yellow. One of the most popular varieties in Japan. The blooms have few layers of reflexive lower petals with the balance of incurved but twisted petals. Grows quite tall, maturing around November 1. \$1.00 each.





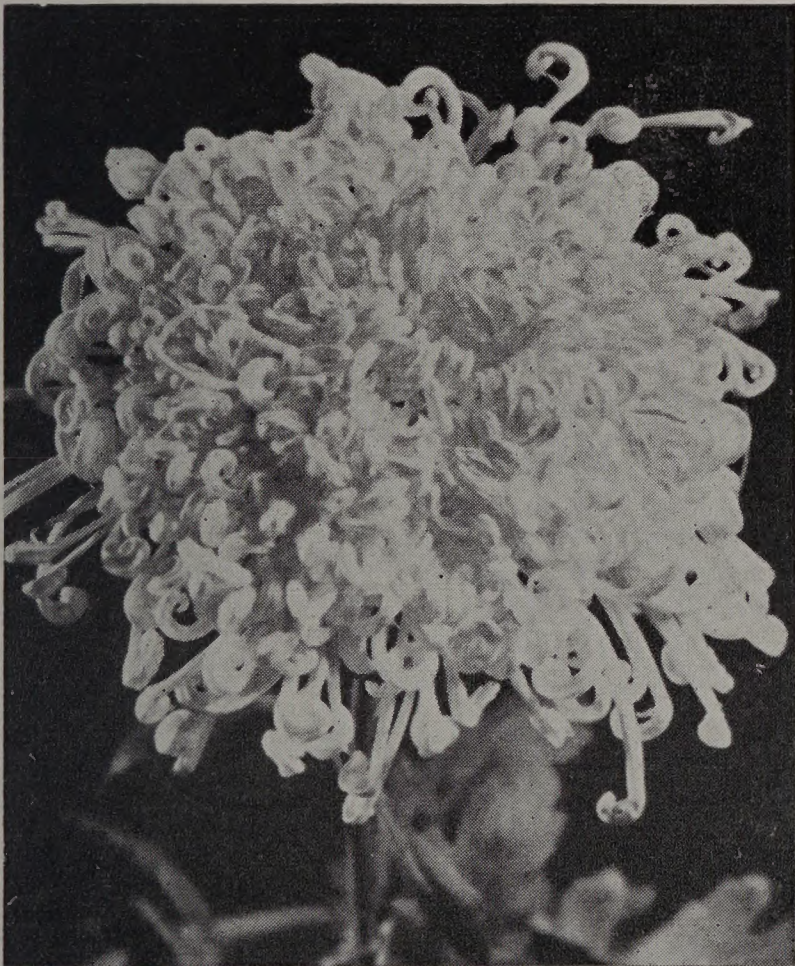
**ANTOINETTE BUSH (White)**

Large long tubular petals; diameter 15 in. Height tall and matures around October 20. 75c each.



**DAINTY WHITE (White)**

Fine tubular type petals with hooked-up tips. Diameter 12 in. Matures around October 25 on. Height, medium. 50c each.



**KAY TASHIMA (White)**

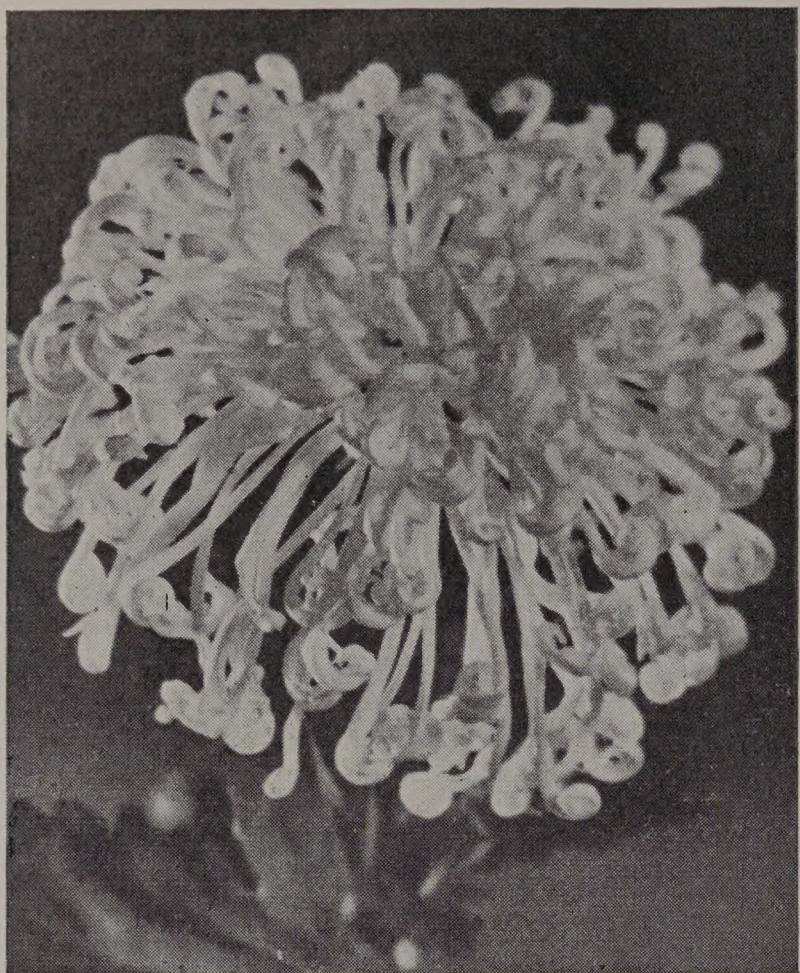
Extremely full blooms with protuberant center. Large long tubular petals; diameter, 15 in. Grows to medium height with excellent foliage. Matures October 1 on. 50c each.



**PINKIE (Pink)**

Large tubular petals; diameter 10 in. Excellent for either pot culture or as cut flowers. Height, medium. Matures October 15. 50c each.





**MARIE TASHIMA (White)**

Large long tubular petals; diameter, 12 in. Grows to medium height with excellent foliage. Matures October 5 on. 35c each.



**RAYON (Pink)**

Fine long tubular petals; diameter, 14 in. Grows to about 5 feet tall with nice foliage. Matures November 10 on. \$1.00 each.



**WHITE SENSATION (White)**

Large tubular petals; diameter, 12 in. Strong stem together with nice foliage makes excellent cut flowers. Matures October 25 on. 50c each.



**MRS. MARGARET DONOHUE (Yellow)**

Fine tubular petals; diameter, 12 in. Excellent for pot culture. Matures October 25. 50c each.





**SILVER DROPS**

This variety is ideal for pot culture. The petals are fine tubular with hooked end tips. The flowers can be grown to about 14 in. in diameter, with luxuriant foliage. Height 3 to 3½ feet.

Matures November 10 on. Price 75c each.

## HARDY KOREAN TYPES

(Rooted Cuttings)

Price 10c each, 50c per doz., unless otherwise quoted... 15c each are \$1.25 per doz. 25c each are \$2.00 per doz. Not less than one doz. of any one variety at dozen rate.

### Singles

#### Matures

Hee, red violet.....	Oct. 20
Hu, yellowish bronze.....	Oct. 12
Mie, bright red.....	Oct. 10
Nana, good yellow.....	Oct. 12
Tao, light pink.....	Oct. 10
Juni, yellow .....	Oct. 15
Juroc, light bronze.....	Oct. 15
Juhich, salmon pink.....	Oct. 15
Juku, red violet.....	Oct. 15
Niich, pink .....	Oct. 5
Nisan, bronze .....	Oct. 15
Niya, brick red.....	Oct. 10
Sanshi, good yellow.....	Oct. 15
Sango, salmon .....	Oct. 10
Sanku, good bronze.....	Oct. 15
Yoshi, bronze .....	Oct. 12
Dephene, pink .....	Oct. 20
Innocence, white .....	Oct. 1
Ceres, orange .....	Oct. 15
Appolo, reddish bronze.....	Oct. 1

## Collection Offer No. 2 SPIDERS

One each of the following:

KAY TASHIMA

MAMORU

WINNIE ANN

SILVER DROPS

Catalog price, \$2.50

**Collection Offer . . . . . \$2.00**



**OHKWAN (Yellow)**

One of the older varieties. Fine tubular petals with strong stems and good foliage. Matures around November 1. 15c each.

#### KOREAN TYPES—Continued

### Doubles and Semi-Doubles

#### Matures

Caliph, red, 25c each.....	Oct. 1 on
Ember, bronze, 15c each.....	Oct. 1 on
Granny Scovill, red, 15c each.....	Oct. 1 on
Indian Summer, bronze, 15c each.....	Oct. 1 on
Mandarin, salmon bronze, 25c each.....	Oct. 1 on
Romany, bronze, 15c each.....	Oct. 1 on
Saladin, coral red, 25c each.....	Oct. 1 on
Symphony, coppery rose, 25c each.....	Oct. 1 on
The Moore, red, 25c each.....	Oct. 1 on





**JANE HARTE (Yellow)**

6x10 feet. Picture shows one seasons growth started from cutting in February. 10c each.

**SUPERB Collection**  
**Cascade Chrysanthemums**  
One each of the following:  
AGGAPINA  
COMET  
KOYEN  
ONAI  
SHIRAHA  
SUROKU  
TOY  
YAMABUKI  
Catalog price, \$2.00  
**Collection Offer . . . . . \$1.50**

**Cascade Sextet**  
One each of the following:  
AUTUMN SUNSET  
EASTERN STAR  
JANE HARTE  
KOTO  
LIGHTHOUSE  
SNOW ON THE PINE  
Catalog price, \$1.25  
**Combination . . . . . \$1.00**

**CASCADE VARIETIES**

Rate: 10c each, \$1.00 dozen; 15c each, \$1.50 dozen; 25c each, \$2.50 per dozen.  
Dozen rate applies to not less than one dozen of any one variety.

Name and Description	Price Each
ANNA. Pure white single flower, very prolific bloomer.....	\$0.10
AGGAPINA. Bronze anemone type.....	.15
AUTUMN SUNSET. Bronze anemone.....	.15
CLARE. White pompon button.....	.10
COMET. Cream anemone type. Extremely prolific bearer and very easily trained.....	.25
EASTERN STAR. Lavender anemone type with star-like tubular petals.....	.25
EARLY YELLOW. Early type single.....	.25
ICHNEN. Golden button anemone. Very prolific bloomer.....	.25
ITCHA. Early type bronze anemone.....	.25
JANE HARTE. Yellow sport from Anna. See illustration.....	.10
KASACHI. White single with yellow center. Thin tubular petals.....	.25
KINRO. Yellow anemone type with large cushion.....	.25
KINSEN. Red anemone type.....	.25
KOKO. Bronze anemone. Imported by ourselves in 1938.....	.50
KOTO. Yellow anemone type having tubular petals with spoon-end tips.....	.25
KOYEN. Yellow anemone type with large petals. One of the highly recommended varieties .....	.25
LIGHTHOUSE. Red single.....	.15
ONAI. Creamish anemone type.....	.25
PURPLE QUEEN. Purple anemone.....	.15
SHIRAHA. White anemone type with small petals.....	.25
SNOW ON THE PINE. White single with spoon-end tips.....	.35
SUROKU. White anemone type with large cushion.....	.25
TOY. Light lavender button anemone.....	.25
YEIKO. Creamish white button anemone.....	.25
YAMABUKI. Yellow anemone type with large cushion center.....	.35



# CULTURE for CASCADES

(See Tying and Pinching)



**SOILS AND FERTILIZERS:** Prepare the compost by mixing well one-third by volume of manure and well decomposed leaf mold with the balance of two-thirds medium heavy loam. Twice a month applications of commercial fertilizer is necessary during the entire growing periods up to the formation of the buds.

**RE-POTTING:** The plants should be shifted into 6-inch pots when bought from us in small pots. Further two to three shiftings into larger pots are required during the season, and these shifts should be made before the plants form their first root network on the inside of the pot.

**\*TYING AND PINCHING:** In training an heartshape cascade, the main growth is pinched at the top when the plant grows to 5 or 6 inches (as in Fig. 1). The leader is selected from one of the new shoots and the remaining shoots are stopped at second or third leaf joints (as in Fig. 2).

When the main leader grows to about 12 inches tall, it is bent from about the middle and the end tied to a fairly long No. 10 size galvanized wire which is bent at an angle of 45 degrees (as in Fig. 3). The supporting wire should point to north and the leader must be tied to it with raffia at least every seven days.

All the laterals and sublaterals should be pinched at every second or third joints as in Figure 3 as they grow until around September 15. As the plant increases the width an additional support is necessary to prevent from toppling over on one side as in Figure 4. The main leader is lowered gradually so that it will be in the horizontal position around September 15. When the buds begin to form the main stem starts the gradual vertical bending from its horizontal level with the surface of the plant now facing south (as in Figure 5). When the buds show color the pot is placed on high position so that the sprays will not touch the ground and bent to the final vertical position. (See cut Jane Harte.)



# LARGE FLOWERING COMMERCIAL VARIETIES

(Rooted Cuttings)

Price: 10c each, 50c per dozen. Not less than one dozen of any one variety at dozen rate.



**OHGON NO SATO (Yellow)**

One of our Imported Commercial large flowering varieties. Bears very large blooms of compact incurve types. Matures October 25. 35c each.

## Bronze

Chadwick Bronze	(L)
*Bronze Mistletoe	(L)
*Glenview	(M)
*Glitters	(M)
*Hilda Bergen	(E)
*Keystone	(E)
Tash Bronze	(M)

## Pink

*Chadwick Pink	(L)
*Chieftain	(E)
*Distinction Pink	(L)
*Edwin Seidwitz	(L)
Glorious	(M)
*Helen Frick	(L)
*Mistletoe Pink	(L)
Mrs. Mae Hunter	(L)
Pink Delight	(M)
*Thanksgiving Pink	(L)

## Red

*Garnet King	(M)
Mohawk Chief	(L)
Harvard	(L)

## White

Ambassador	(E)
*Betsy Ross	(E)

*Chadwick White	(L)
*Chattanooga	(L)
*Chieftain White	(E)
December Beauty	(L)
December Glory	(L)
*Early Frost	(E)
Good Gracious	(M)
*Mistletoe White	(L)
Nelie Pockett	(M)
Pres. Taft	(M)
*Silver Wedding	(L)
*Snow White	(M)
Venus	(E)
*White Frick	(L)

## Yellow

*Bonnaffon	(M)
*Bonnaffon Shibuya	(L)
Celebration	(L)
*Chattanooga Yellow	(L)
Chrysolora	(E)
Clara B. Ford	(L)
*December Queen	(L)
Dolly Dimple	(L)
Early Frost Yellow	(E)
*Evening Glow	(E)
*Golden Measure	(E)
*Golden Mrs. Ross	(L)
Honeydew	(L)
*Mistletoe Golden	(L)
Mrs. F. D. Roosevelt	(L)
Mrs. H. E. Kidders	(E)
*Mrs. Nellie T. Ross	(L)
*Mrs. R. M. Calkins	(L)
Roman Gold	(M)
*Sec. Nehrling	(M)
*Yellow Gown	(E)

## Exhibitions and Recent Introductions

(Rooted Cuttings)

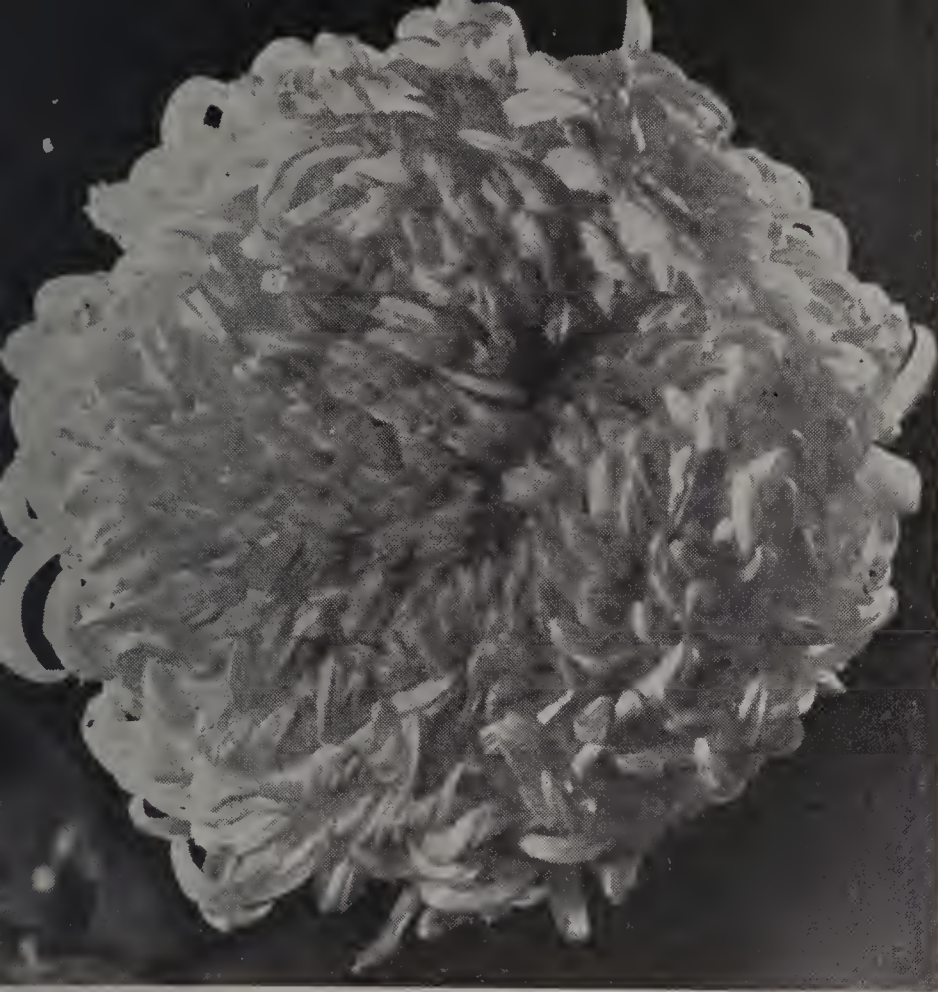
Price: 10c each, \$1.00 per doz., unless otherwise quoted. 15c each are \$1.50 per doz.; 25c each are \$2.50 per doz.; 35c each are \$3.50 per doz.; 50c each are \$5.00 per doz.; \$1.00 each are \$10.00 per doz. Not less than one dozen of any one variety at dozen rate.

## Bronze

*Apricot May Wallace, 15c each	(L)
*Bronze Frick, 15c each	(L)
Bronze Turner, 25c each	(M)
Carrie Bernecke	(M)
*Certainty, 25c each	(L)
Cherokee	(L)
Conquest (very large), 35c each	(M)
*Detroit News	(E)
Gov. Green, 25c each	(M)
*Indian Chief, 25c each	(E)
John Balmer, 15c each	(M)
King Tut, 25c each	(M)

\*Recommended varieties; E—Earl; M—Midseason; L—Late varieties.





**POCKETTS VARIETY—EXHIBITION TYPE**  
Comes in Four Colors

**BRONZE—Continued**

Majestic, 15c each.....	(L)
Marian Uffinger, 15c each.....	(L)
*Mark Twain, 15c each.....	(L)
Mikado .....	(M)
Minewa, 15c each.....	(E)
Miss Millicent Rogers.....	(E)
Mrs. A. J. Stahelin, 15c each.....	(M)
Mrs. Allen, 15c each.....	(M)
*Mrs. August Koch, 15c each.....	(M)
*Mrs. Harvey Firestone.....	(M)
Mrs. Henry Evans.....	(M)
Mrs. Rita Mitchell.....	(M)
*Okeda .....	(E)
Orange Queen, 25c each.....	(L)
*Sec. Hyde, 15c each.....	(M)
Seminole Chief .....	(M)
Shownee Chief, 15c each.....	(M)
Sunset, 25c each.....	(M)
Tekonsha .....	(M)
Turner Bronze, 25c each.....	(M)
*William Waite, 25c each.....	(M)

**Pink**

Ann Nichols, 15c each.....	(M)
Buto, 25c each.....	(E)
Cincinatus, 15c each.....	(M)
*Edwin Seidwitz Improved, 15c each.....	(L)
Elberon, 15c each.....	(M)
Floyd Gibbons, 15c each.....	(L)
*Francine, 15c each.....	(M)
Garson's Large Pink, 25c each.....	(M)
G. Konno, 25c each.....	(M)
*La France .....	(E)
*Lady Hauptown .....	(M)
Major Edward Bowes, 15c each.....	(E)
Mary L. Clark, 15c each.....	(M)

Mauve Queen, 15c each.....	(M)
*May Wallace, 15c each.....	(L)
Mrs. Cravans .....	(M)
*Nerrisa, 15c each.....	(M)
Olivette, 15c each.....	(M)
Oriental Princess, 25c each.....	(E)
Pink Dawn, 25c each.....	(L)
*Pockett Thomas, 15c each.....	(M)
*Princess Teru, 15c each.....	(L)
*Prosperity, 25c each.....	(E)
Queen Marie, 15c each.....	(M)
Regina .....	(M)
Turner Pink, 25c each.....	(M)
Vermont, 15c each.....	(M)

**White**

Alice Benson, 15c each.....	(M)
Charles Rager, 15c each.....	(M)
Gov. A. Harry Moore, 15c each.....	(M)
Henry E. Trueman, 50c each.....	(E)
*Mefo, 15c each.....	(M)
Monument, 25c each.....	(L)
*Nerrisa White, 15c each.....	(L)
P. E. Mallory, 50c each.....	(M)
*Pockett Louisa, 15c each.....	(M)
Quaker Lady .....	(L)
*Quaker Maid, 15c each.....	(E)
Snow Bound, 15c each.....	(M)
Turner William, 25c each.....	(M)
Vermont White, 15c each.....	(M)
White Bonnafton, 25c each.....	(M)
White Eagle .....	(E)

**Red**

*Armistice Day, 15c each.....	(L)
Birmingham, 25c each.....	(M)
Bonnafton Red (No. 13).....	(L)
*Dr. Inglis (Purple), 15c each.....	(L)
*Enton Beauty, 25c each.....	(M)
Edwin M. Byrns, 15c each.....	(M)
Intensity, 15c each.....	(M)
*Mrs. David F. Roy, 15c each.....	(E)
Mrs. J. C. Leeds, 15c each.....	(L)
Tom Carrington (Purple).....	(M)

**Yellow**

*Anna Kaskas, 15c each.....	(E)
*Apricot Queen, 15c each.....	(E)
Bonnafton De Luxe, 25c each.....	(E)
*Columbus Dispatch .....	(L)
*Friendly Call, 15c each.....	(L)
Friendly Rival .....	(L)
*Golden Aribini, 25c each.....	(E)
Golden Champion .....	(M)
*Good News .....	(E)
Marie De Petris.....	(L)
My Michigan .....	(M)
*Ohgon no Sato, 35c each.....	(M)
*Pockett Golden, 25c each.....	(M)
*Pockett Yellow, 15c each.....	(M)
*The Big Child, 15c each.....	(M)
Turner Yellow, 25c each.....	(M)
Yellow Gold .....	(M)

\*Recommended varieties; E—Early; M—Midseason; L—Late varieties.





### POMPONS—DISBUDED

True Pompons are small blooms which are either flat or globular as in Pompon Dahlias and Zinnias. Diameters ranging from less than 1" to 3½".

## Pompons and Button Types

(Rooted Cuttings)

Price: 10c each, 50c per doz., unless otherwise quoted. 15c each are \$1.25 per doz.; 25c each are \$2.00 per doz. Not less than one dozen of any one variety at dozen rate.

### Bronze

Aron O'Doris (Button).....	(M)
*Avalon, 15c each.....	(L)
Bonnibel (Button) .....	(E)
*†Bronze Doty .....	(E)
*†Bristolite .....	(L)
*Bronze Perfection (Button).....	(M)
Bronze Prince .....	(E)
Bronze Sauce D'Or.....	(L)
Brown Beauty .....	(L)
*California Firebird .....	(L)
Christmas Cheer, 15c each.....	(L)
Clara James Improved (Button).....	(M)
*Claremont (Decorative).....	(L)
Deana (Early Hardy).....	(E)
Dolora .....	(M)
Dorothy Turner .....	(L)
Felice .....	(E)
Fez .....	(M)
*Firebird .....	(E)
*Glow .....	(L)
Gold Drops .....	(M)
Gold Tips (Button).....	(M)
Iroquois (Button), 25c each.....	(L)

Ilsa (Button) .....	(E)
Loris, 15c each.....	(L)
Marilyn .....	(E)
Mohican (Dwarf), 15c each.....	(E)
Monadel .....	(L)
Mrs. F. B. Wilcox.....	(L)
Nesta .....	(E)
November Bronze, 15c each.....	(M)
*†Princeton .....	(M)
Sheila, 15c each.....	(M)
Sonoma .....	(E)
Thanksgiving Gem (Button).....	(L)
*Wildfire, 25c each.....	(L)

### Pink

Amelia (Early Hardy).....	(E)
*†Angelo .....	(E)
*†Azora .....	(E)
*†Balundus .....	(E)
Bonnie Maid .....	(M)
Bright Eye (Button).....	(M)
Cameo Queen (Dwarf), 25c each.....	(E)
Capt. Cook .....	(E)
Cazlonia, 15c each.....	(E)
Donald .....	(L)
Dorothy Nehrling, (Button) 15c each.....	(L)
*Dr. W. R. Petit, 25c each.....	(E)
*†Elora .....	(E)
Ermalinda .....	(E)
Glorietta .....	(E)
†Henrietta, 15c each.....	(E)
*Highlight .....	(M)
Irene Rich .....	(M)
Jean Treadway .....	(E)
*Jewell .....	(E)
*Letitia .....	(M)
Lilac .....	(E)
Little Pet .....	(M)
Little Tot (Button).....	(M)
*Magartha .....	(M)
Maida .....	(E)
*Mission .....	(M)
*Mrs. Morgan Bulkeley, 25c each.....	(M)
Okubo Pink .....	(L)
Persian Rose, 25c each.....	(M)
*Pink Dot .....	(E)
*†Pink Doty .....	(E)
Robert Henderson .....	(M)
Rodi (Button) .....	(M)
*†Romola .....	(L)
*Rose Adore, 25c each.....	(E)
Rosy Dot, 25c each.....	(M)
Shaker Lady .....	(E)
Silver Tips .....	(M)
Sonia (Purple Dwarf), 15c each.....	(E)
*†Thyra .....	(M)
Tonquin .....	(L)
Viola .....	(E)

### White

*†Adelphia .....	(E)
*Arcadia, 25c each.....	(E)
*Bridal Bell, 15c each.....	(L)
Bright Spot (Button).....	(M)
*†Chicago Pearl .....	(M)

†—Large Pompons.

\*Recommended varieties; E—Early; M—Midseason; L—Late varieties.



## POMPONS—Continued

*Clare (Button).....	(M)
*†Cordova .....	(L)
Crystal Jewel .....	(M)
*Dainty Maid (Button).....	(M)*
*Diana .....	(M)
*Greta, 25c each.....	(E)
Helen Newberry .....	(L)
Irene, 15c each.....	(M)
*Kuwahara White .....	(L)
Lylian (Early Hardy).....	(E)
Mary Pickford (Button).....	(M)
Minong .....	(M)
Mrs. N. G. Moore.....	(L)
Muriel .....	(M)
Nemo (Button) .....	(L)
Oneta .....	(M)
Ottawa, 25c each.....	(M)
Royal Queen, 25c each.....	(L)
*†Sea Gull, 15c each.....	(M)
*†Silver Ball .....	(E)
Snow Cloud, 15c each.....	(M)
Touchdown, 25c each.....	(M)
White Cap .....	(M)
*†White Doty .....	(E)
White Gem (Button).....	(M)
*White Jewel .....	(E)

## Red

*Campfire .....	(L)
Carlina Lee, 25c each.....	(E)
*Captain Blood, 25c each.....	(L)
*Christmas Red .....	(L)
*Crimson Quintus .....	(M)
*†Crimson Sheen .....	(E)
Ethel (Button) .....	(M)
*†Fireball .....	(E)
Flashlight .....	(M)
Flame .....	(L)
Flora .....	(M)
*†Helen Hubbard (Decorative).....	(L)
Izalco (Purple), 25c each.....	(L)
Kasagiku (Dwarf) .....	(M)
Kon (Dwarf) .....	(L)
Mid-day, 15c each.....	(E)
*†Mrs. Mary Hooker, 15c each.....	(L)
Muldoon .....	(E)
*Patsy Dawd (Button).....	(M)
*Red Beauty .....	(M)
Red Doty .....	(M)
Red Wings .....	(M)
Robin Hood, 15c each.....	(M)
Royal Red, 25c each.....	(M)
Thorina .....	(E)

## Yellow

*Adorable (Button), 25c each.....	(L)
Agate (Button), 15c each.....	(E)
Baby (Button).....	(M)
*†Ball of Gold .....	(L)
Barbara Cummings (Early Hardy).....	(E)
Billie Birk (Button) .....	(M)
Christmas Gold .....	(L)
Cora Peck Buhl.....	(E)

*†Gold Coin .....	(L)
Gold Finch, 15c each.....	(M)
Geraldine (Button), 15c each.....	(L)
*†Golden Fairy, 15c each.....	(E)
Golden Crest .....	(M)
Golden Splendor .....	(M)
Golden West .....	(M)
*†Hasegawa Yellow .....	(L)
Helios .....	(M)
*Joan Wells .....	(E)
Judith Anderson (Button), 25c each.....	(E)
King Midas (Early Hardy).....	(E)
Little Billy (Button), 15c each.....	(M)
Lugano .....	(L)
*†Mary L. Hall.....	(E)
*†Masaka .....	(E)
Modena .....	(L)
*New York .....	(M)
Norine .....	(L)
*†November Yellow .....	(L)
Nugetts (Button) .....	(M)
Perfecto, 25c each.....	(M)
Pigmy Gold (Button), 15c each.....	(E)
R. Marian Hutton (Hardy).....	(E)
Rodell .....	(E)
*Stardust .....	(L)
St. Louis Gold .....	(L)
Varsity (Button) .....	(L)
*Vera Victoria .....	(E)
*Wm. Sabey .....	(M)
Yellow Dot (Button).....	(L)
*Yellow Doty .....	(E)
*Yellow Fellow .....	(M)
Yellow Yuletide .....	(L)

## The Quintuplets

Annette (Delicate Pink).....	(M)
Cecile (Light Yellow).....	(M)
Emelie (Pure White).....	(M)
Marie (Orange) .....	(M)
Yvonne (Red) .....	(M)



BUTTONS—POMPONS

†—Large Pompons. Disbud.

\*Recommended varieties; E—Early; M—Midseason; L—Late varieties.





ANEMONE—DISBUDDED

## Anemone Types

(Rooted Cuttings)

Price: 10c each, 75c per doz., unless otherwise quoted. 15c each are \$1.25 per doz. 25c each are \$2.00 per doz. Not less than one dozen of any one variety at dozen rate.

*†Bronze Charm, 15c each.....	(L)
Bronze Izola .....	(M)
Bronze Norma .....	(M)
*†Bronze Supreme, 15c each.....	(L)
Captivation, 15c each.....	(L)
Calipso, 15c each.....	(L)
*†China Rose .....	(M)
*Chrome Emerald, 15c each .....	(L)
*†Coral Blaze, 15c each.....	(L)
*†Estrelita .....	(L)
Floradora .....	(M)
Jerry, 15c each.....	(L)
Laucella .....	(L)
*Mrs. B. S. Meckling, 25c each.....	(M)
Rolinda .....	(L)
Romantic, 15c each.....	(M)
Shining Light, 15c each.....	(L)
Sparkler, 25c each.....	(M)
*†Suzanne Miller .....	(L)
†Verona .....	(M)
*Yolanda, 25c each .....	(L)

## Pink—Lavender

*Admiration, 15c each.....	(E)
*†Beautiful Lady, 15c each.....	(L)
Belva, 15c each.....	(L)
Berneita .....	(M)
Birdine, 15c each.....	(M)
*Bizarre, 15c each.....	(M)
*Dark Pink Norma.....	(M)
*†Dark Pink Supreme, 15c each.....	(L)
Exquisite, 15c each.....	(L)
Eva La Gallienne, 25c each.....	(M)
*†Faith, 15c each.....	(L)
*†Frieda, 15c each .....	(L)
*H. J. Ballough, 15c each.....	(M)
Izola .....	(M)

†—Large Anemone. Disbud.

\*Recommended varieties; E—Early; M—Midseason; L—Late varieties.

La Nona .....	(M)
Margo .....	(M)
*†Mrs. J. S. Roberts, 25c each.....	(M)
*Norma .....	(M)
*Orchid Beauty .....	(L)
*Purple Queen, 15c each.....	(L)
*Rose Madder, 25c each.....	(M)
Rose Royal .....	(M)
*Topknot .....	(M)
*†Tuxedo, 15c each.....	(M)
Welcome .....	(M)
Western Star, 15c each.....	(L)

## White

*†Blanche, 15c each.....	(M)
*C. D. Wolfe.....	(E)
*†Fascination, 15c each.....	(L)
*Garza Supreme .....	(L)
*Godfrey Perfection .....	(M)
Graceland .....	(E)
*Graf Von Avon.....	(L)
Innocencia .....	(M)
Lida Thomas .....	(M)
Little America, 25c each.....	(M)
*†Marie Louise, 15c each.....	(L)
*Mrs. A. G. Wilson.....	(M)
Nokomis .....	(M)
*Puritan Surprise, 15c each.....	(E)
Savanta .....	(M)
Smith Purity .....	(L)
*†Sincerity, 15c each.....	(M)
*†White Anemone, 15c each.....	(M)
*White Berneita .....	(M)
*†White Norma, 15c each.....	(M)
*White Supreme .....	(L)

## Red

Antigo, 15c each .....	(M)
*†Crimson Glow .....	(L)
Herada, 15c each.....	(L)
*Mid-Guard, 15c each .....	(L)
Milton, 15c each.....	(L)
*†The Titan, 15c each.....	(L)
Zenith, 15c each.....	(L)

## Yellow

*†Aloysia, 15c each.....	(M)
*†Citrus Queen, 15c each.....	(L)
Donilda .....	(M)
Golden Lida Thomas.....	(M)
Golden Memory .....	(L)
*Golden State .....	(L)
*†Maritza .....	(L)
*Miller Sport, 15c each.....	(M)
*†New Gold, 15c each.....	(L)
Sorona .....	(M)
Sulphur Frill, 15c each.....	(L)
*Triumph .....	(M)
†Wilfreda .....	(L)
Yellow Garza Supreme .....	(L)
*†Yellow Supreme, 15c each.....	(L)





## SINGLE OR DAISY TYPE

### Single Varieties

(Rooted Cuttings)

Price: 10c each, 50c per doz., unless otherwise quoted. 15c each are \$1.25 doz.; 25c each are \$2.00 per doz. Not less than one dozen of any one variety at dozen rate.

#### Bronze

*Absolute, 25c each	(M)
Bronze Godfrey	(M)
*Garson's S. B.	(M)
*Hasegawa Josephine	(L)
*Hasegawa Minoru	(L)
*H. M. Toty	(M)
*Ida Skiff	(E)
John Garson, 15c each	(M)
*L. Brown	(L)
Louise Mayo	(M)
*Mason's Bronze	(M)
*Melba	(M)
Mrs. Herbert Hoover	(L)
*Sunburst, 15c each	(M)
*Sunny Boy, 25c each	(M)
Twilight	(M)

#### Pink

*Annabel	(L)
*Bijo, 25c each	(E)
Cosmos	(M)
*Hasegawa Pink	(L)
Late Purple	(L)
*Pink Pride	(L)
Purple 45	(M)
Sarah G. Varity	(M)
*S. P. Garson	(M)

*S. S. Garson	(M)
*Valencia	(L)
Veronica	(E)

#### White

*Gladys Duckham	(L)
Jean	(M)
*Mabel Seymour, 25c each	(M)
Myers White	(L)
*Prof. Ball	(M)
S. W. Garson	(M)
*White Mensa	(M)

#### Red

Bishop Henninghouse	(M)
Bridgewater Velvet, 25c each	(M)
Brightness	(M)
*Carnelia, 15c each	(L)
Crimson Conquest	(M)
Crimson Splendor	(E)
Dazzler	(M)
Dazzler Late	(L)
*D. Baker	(E)
*Hasegawa Poinsettia	(L)
Joe Beurlein, 25c each	(L)
Lady Astor	(L)
Liberty	(L)
*Lighthouse, 15c each	(M)
*Radiant	(M)
Red Butterfly (D-44)	(M)
*Red Melba	(M)
*Red Rover, 25c each	(M)
Supreme, 15c each	(M)
*Tagoya	(M)

#### Yellow

Brightlight	(E)
*Golden Gleam	(M)
*Golden Seal	(M)
Mrs. C. S. McKinney	(E)
Nacora	(L)
Nacora Hardy, 15c each	(E)
*Pauline	(M)

### RAINBOW COLLECTION Singles

BIJO	PAULINE
GLADYS DUCKHAM	RED BUTTERFLY
LIGHTHOUSE	SUNBURST
MABEL SEYMOUR	VALENCIA
MELBA	

Catalog Price, \$1.30

Collection Offer . . . . . \$1.00

\*Recommended varieties; E—Earl; M—Midseason; L—Late varieties.



## CULTURAL SUGGESTIONS

### COMMERCIAL AND EXHIBITION TYPES

**SOILS AND FERTILIZER**—It is advisable to prepare the bed early by spading in large quantities of well-decomposed manure. As the chrysanthemum does better under slightly acid conditions, a certain amount of leaf mold or peat added to the soil will be beneficial. A few applications of commercial fertilizer are necessary during the months of July and August, stopping when the buds are formed.

When the plant is about 6 inches tall, the center or the main growth is nipped off, as in Figure (1) of Cascade Culture on page 9. Then the plant should be restricted to two to three shoots in order to obtain larger blooms. For the late blooming varieties, the main growth of these shoots may be nipped again around July 15th in order to regulate the height, allowing a similar number of new shoots to remain to a plant. For the large anemones and pompons, allow 6 to 8 growths to a plant. Other cultures for these being similar with larger types.



**DISBUDDING** (see drawing above)—Commencing when the plant reaches about 10 to 12 inches tall, the side laterals should be removed very close to the base (see lowest lateral of Figure 1 above) at regular intervals of about once a week. At the same intervals the basal shoots should be removed as they appear. The procedure of "taking buds" depends very largely on the variety and no fast rules can be given, but we recommend the selection of buds forming after September 10th on. The final selection should not be made too hastily nor when buds are very small (see Figure 1). It is advisable also to allow an alternate bud (see Figure 2) to remain until one is certain of all defects when final selection is made (see Figure 3 above). This procedure will enable you to concentrate the entire plant's energy in the development of the bloom.



**PESTS**—Common insect pests and diseases are thrips, aphids, leaf-tyers, cut worms, mildews, etc. Plants should be examined frequently and sprayed with proper insecticides as recommended by dealers as soon as these pests are detected. After September 1st we recommend spraying the plants twice a month until buds begin to show color.

**STAKING**—Every individual stem should be supported with stakes or by other means to hold the blooms upright.

## BUSH OR GARDEN VARIETIES

Under these types are pompons and buttons, anemones, singles and hardy Koreans. These varieties are most effective when grown low with as much growth as possible. This is obtained by pinching off the center of all the laterals two or three times up to the 1st or 10th of August. This method will prevent the plants from toppling over too freely with minimum support.

**"Chrysanthemums Under Glass,"** by Alex Laurie. We sell and recommend this book. Persons seeking further technical information on Chrysanthemums will find this volume interesting and helpful. Price \$1.50.



**CASCAD**  
At our Fall Show  
October and November



# SPECIAL OFFER

Assorted Collections, including Buttons, Pompons, Singles and Anemones (Non-Labeled)  
(Rooted Cuttings)

12  
PLANTS  
4 Varieties  
40<sup>c</sup>

25  
PLANTS  
6 Varieties  
75<sup>c</sup>

50  
PLANTS  
8 Varieties  
\$1 40

100  
PLANTS  
10 Varieties  
\$2 50



ASSORTED TYPES OF CHRYSANTHEMUMS

# LARGE FLOWERING COMMERCIAL TYPES

(Rooted Cuttings)  
Four Colors Assorted Offer

12  
PLANTS  
50<sup>c</sup>

25  
PLANTS  
90<sup>c</sup>

50  
PLANTS  
\$1 65

100  
PLANTS  
\$3 00